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an energy path which transmits energy generated by said energy generator across national borders, so as to link together systems in pairs, each system of each linked pair including a Pacific Rim country, for transmission of energy across the national border therebetween, at least one of which Pacific Rim countries produces its own demand for electricity including transient electrical power,

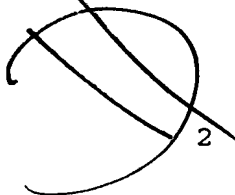
measuring equipment which is mounted on said energy path for measuring an amount of energy which is transmitted through said energy path across a border between countries, and

a system which consumes energy supplied by way of said energy path, wherein settlement for said consumed energy is determined based upon the transmitted amount of energy measured by said measuring equipment,

wherein said energy path links together the following system pairs: a North America system and a South America system, a South America system and an Australia system linked through the Antarctic continent, an Australia system and an East Asia system, and an East Asia system and a North America system linked through the Bering Strait.

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27. (Amended) An energy and power interchange system, comprising:



a first system including power generating facilities located in a first Pacific Rim country,

a second system in a second Pacific Rim country foreign to the first Pacific Rim country, constructed by a direct current transmission system which interconnects said first system and said second system, and

measuring equipment which is mounted on an energy path of said direct current transmission system and measures an energy amount transmitted through said energy path across a border between said countries,

wherein said energy path transmits energy so as to link together pairs of systems including said first and second systems, each system of each linked pair including a Pacific Rim country for transmission of energy across a national border therebetween, wherein settlement for said transmitted energy is determined based upon the measurements taken by said measuring equipment,

wherein at least one of said Pacific Rim countries in each system pair produces its own demand for electricity including transient electrical power, and

wherein said energy path links together the following system pairs: a North America system and a South America system, a South America system and an Australia system linked

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through the Antarctic continent, an Australia system and an East Asia system, and an East Asia system and a North America system linked through the Bering Strait.

30. (Amended) An energy and power interchange system, comprising:

an energy path which transmits energy so as to link together pairs of systems, each system of each linked pair including a Pacific Rim country for transmission of energy across a national border therebetween, constituted by a direct current transmission system which interconnects at least three different Pacific Rim countries including said different respective countries included in said linked pair of systems, wherein said direct current transmission system includes:

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power generating facilities, and

measuring equipment which is mounted on said energy path and which measures an energy amount transmitted through said energy path across a border between two of said at least three Pacific Rim countries, at least one of which Pacific Rim countries produces its own demand for electricity including transient electrical power, wherein settlement for said transmitted energy is determined based upon the measurements taken by said measuring equipment

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wherein said energy path links together the following system pairs: a North America system and a South America system, a South America system and an Australia system linked through the Antarctic continent, an Australia system and an East Asia system, and an East Asia system and a North America system linked through the Bering Strait.

--32. An energy and power interchange system according to claim 24, wherein energy is transmitted between any two of these systems depending upon factors including climate and time of day, and

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wherein the settlement for the interchanged energy amount is performed by conversion to fuel so as to simplify settlement between various currency systems.

--33. An energy and power interchange system according to claim 24, further comprising interconnection administration equipment which establishes contracts between respective systems and forwards a control command to interchange administration equipment of the respective systems so as to carry out interchange of electric power and wherein said interconnection adjustment equipment receives measurement values of interchanged electric power from the measuring

equipment and transmits such information to the interchange administration equipment of the respective systems in order to permit settlement.

--34. An energy and power interchange system according to claim 27, wherein energy is transmitted between any two of these systems depending upon factors including climate and time of day, and

wherein the settlement for the interchanged energy amount is performed by conversion to fuel so as to simplify settlement between various currency systems.

--35. An energy and power interchange system according to claim 27, further comprising interconnection administration equipment which establishes contracts between respective systems and forwards a control command to interchange administration equipment of the respective systems so as to carry out interchange of electric power and wherein said interconnection adjustment equipment receives measurement values of interchanged electric power from the measuring equipment and transmits such information to the interchange administration equipment of the respective systems in order to permit settlement.

--36. An energy and power interchange system according to claim 30, wherein energy is transmitted between any two of these systems depending upon factors including climate and time of day, and

wherein the settlement for the interchanged energy amount is performed by conversion to fuel so as to simplify settlement between various currency systems.

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--37. An energy and power interchange system according to claim 30, further comprising interconnection administration equipment which establishes contracts between respective systems and forwards a control command to interchange administration equipment of the respective systems so as to carry out interchange of electric power and wherein said interconnection adjustment equipment receives measurement values of interchanged electric power from the measuring equipment and transmits such information to the interchange administration equipment of the respective systems in order to permit settlement.--
